

19990724.qrp v01_n528.qrl.990724

Date: Sat, 24 Jul 1999 19:03:14 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1528

QRP-L Digest 1528

Topics covered in this issue include:

- 1) [45887] Re: Flight of the Bumblebees - This Sunday Afternoon
by Paul Stroud <aa4xx@ipass.net>
- 2) [45888] The Final Roster of Bees
by "Russ Carpenter" <russ@natworld.com>
- 3) [45889] Re: millawatting
by "Steve Yates, AA5TB" <aa5tb@swbell.net>
- 4) [45890] Re: FDIM 2000 - Feedback Needed
by VE3JC - John C <jbcumming@wwdc.com>
- 5) [45891] RE: PLL emulated with cpu
by "Steven Weber" <kd1jv@moose.ncia.net>
- 6) [45892] Re: millawatting
by Jay Freeman <jayFreem@direcpc.com>
- 7) [45893] Re: millawatting
by Bruce Muscolino <w6toy@erols.com>
- 8) [45894] Re: RS Code Practice Tapes
by "Jeffrey L. L. Greer" <wd4et@juno.com>
- 9) [45895] Re: millawatting
by Jay Freeman <jayFreem@direcpc.com>
- 10) [45896] Q-dope substitute?? - preliminary test results
by n5ib@juno.com
- 11) [45897] Re: disposable polaroid batteries
by w4bws@juno.com
- 12) [45898] Another airborne DSW-40
by Ham <hduff@ica.net>
- 13) [45899] Re: disposable polaroid batteries
by sigcom@juno.com
- 14) [45900] Z31E
by Tim Ahrens <tahrens@hilconet.com>
- 15) [45901] OT Tech
by "Charles Hamel" <cdhamel@pdq.net>
- 16) [45902] RFI,EMC,EMI
by Pete Burbank <plburbank@kih.net>
- 17) [45903] Re: Q-dope substitute?? - preliminary test results
by "Robert P. Okas" <vintage@best.com>
- 18) [45904] RE: Increasing CW TX Speed
by Bill B Lazure <n2tpa@juno.com>
- 19) [45905] Re: Q-dope substitute?? - preliminary test results

by "Randy Jouett" <rules@bellsouth.net>
20) [45906] Q-dope substitute?? - preliminary test results
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
21) [45907] Re: millawatting
by Rick Sealey <rsealey@InfoAve.Net>
22) [45908] Antenna Anthology
by "Frank G3YCC" <frank@g3ycc.karoo.co.uk>
23) [45909] Something old; something new
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
24) [45910] Re: millawatting
by mikemo@ibm.net
25) [45911] Q-Dope Substitute
by "Frank Matthews" <fmathews@pilot.infi.net>
26) [45912] Re: Antenna Anthology
by "Francis Callahan" <colcal@srv.net>
27) [45913] Q-Dope Substitute
by Hrafnkell Eiriksson <hkelle@rhi.hi.is>
28) [45914] FS: OHR WM-2 Wattmeter
by "Tim Cook" <timcook@erinet.com>
29) [45915] Marking toroids (was: Q-Dope Substitute)
by "John J. McDonough" <jjmcd@tm.net>
30) [45916] QRP-L
by ARDUJENSKI@aol.com
31) [45917] Re: OT Tech
by "William R. Colbert" <af852@rgfn.epcc.edu>
32) [45918] Re: RS antenna insulator closeout
by Jim Stafford <w4qo@amsat.org>
33) [45919] free, rechargable NiCds
by Drbob92031@aol.com
34) [45920] 2N2 Certificates 5 & 6 Awarded
by PDouglas12@aol.com
35) [45921] Re: QRP-L
by K2UD@aol.com
36) [45922] RE: How the Dutch ground things OR how ground a rig in a second
storey room
by Mike Perry <pa3asc@xs4all.nl>
37) [45923] Q-dope substitute
by K2UD@aol.com
38) [45924] Q dope substitute
by K2UD@aol.com
39) [45925] W9GR DSP Help Needed and Some Building Details
by applitech@mcg.net (Claton Cadmus)
40) [45926] EMTECH NW40 price reduced
by Jess Gypin <jessqrp@concentric.net>
41) [45927] Items sold
by Jess Gypin <jessqrp@concentric.net>
42) [45928] Re: ready to do sub-watting-- Ft Tuthill
by "William R. Colbert" <af852@rgfn.epcc.edu>

- 43) [45929] WM-2 SOLD
by "Tim Cook" <timcook@erinet.com>
- 44) [45930] Re: milliwatts - Skill not power
by Jim Hale <kj5tff@yahoo.com>
- 45) [45931] Items FS QRP & non
by "curt" <k3ivb@stargate.net>
- 46) [45932] RE: Items for sale
by "curt" <k3ivb@stargate.net>
- 47) [45933] W1RFI QSL address
by K2UD@aol.com
- 48) [45934] Re: Q dope substitute
by "Randy Jouett" <rules@bellsouth.net>
- 49) [45935] fore sale
by RON TODD <k4wz@bellsouth.net>
- 50) [45936] WB8RCR QSLMaker
by osier <osier@northnet.org>
- 51) [45937] Re: FDIM 2000 - Feedback Needed
by "Randy Jouett" <rules@bellsouth.net>
- 52) [45938] Leaqder Curve Tracer
by Michael Melland <badger@vbe.com>
- 53) [45939] Re: millawatting
by hamjoel@juno.com
- 54) [45940] Re: Q dope substitute
by "Ted Williams" <tedw@btinternet.com>
- 55) [45941] Re: QRP-L
by dfirlik@juno.com
- 56) [45942] Thanks K1MG, KC1DI & VE3STI !!
by SMurph555@aol.com
- 57) [45943] nice clock
by "Steven Weber" <kd1jv@moose.ncia.net>
- 58) [45944] Re: Q dope substitute
by "Steven Weber" <kd1jv@moose.ncia.net>
- 59) [45945] VE3DNL Marker Generator
by "Charles Hamel" <cdhamel@pdq.net>
- 60) [45946] Sony ICF-SW100
by "Jerry Decker N5RV" <n5rv@hex.net>
- 61) [45947] Re: W9GR DSP Help Needed and Some Building Details
by "Hugo Catta" <h.catta@worldnet.att.net>

Date: Fri, 23 Jul 1999 19:18:54 -0400
From: Paul Stroud <aa4xx@ipass.net>
To: Derek Brown <DBrown@RFMD.com>
Cc: "'KnightLites'" <klqrp@waterw.com>, QRP-L <QRP-L@lehigh.edu>
Subject: [45887] Re: Flight of the Bumblebees - This Sunday Afternoon
Message-ID: <3798F85E.6465154D@ipass.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Sir Derek,

Thanks for the update on the Bumblee Contest coming up this Sunday afternoon.

Three of us Knights will be operarting from the Southern tip of Topsail Island (Randy-WJ4P, Steve-AE4YQ, and Paul-AA4XX). We will be using the KnightLite's Club call, WQ4RP/BB.

Randy will be bringing his brand-spanking new K2, so it will be a lot of fun to see it in action from the beach. He will also be bringing his neat "Jouster" vertical which performed so well for us at FD.

I'll be taking a walking stick 40M vertical, which will do double duty as a 1/2 wave base fed 20M stick. An inverted vee will be hoisted to the top of the mast for 10, 15, and 20M. We'll also have a kite supported LW (about 300 feet long), which will be flying over the Sound looking West. An A/B switch will allow selecting the best antenna for a given path on 20M.

The weather forecast for Sunday is for sizzling temperatures, along with high humidity. We'll be using a large screen tent to keep the sun at bay. I'd say a swim or two might also be in the plan of the day.

Anybody interested in joining us is more than welcome to stop and and operate or to just hang out. We will be easy to find: Just take NC highway 50E until the road (literally) ends at the southern tip of Topsail Island. Our site will be close to an imaginary extension of highway 50 where the ocean meets the sound.

To get to the site, turn left at the stopsign which signals the end of NC 50. Go straight as far as you can, until you reach the dunes on the ocean side of the island. Turn right and look for the beach access wooden "catwalk" within a couple hundred yards on your left. Park near the catwalk and walk south on the beach. The beach curves around to the sound after a 20 minute walk. Look for our green screen tent and our antennas.

We will be setting up the station Sunday morning, and hope to be operational by 10AM, or so.

We sure look forward to hearing our QRP friends during the BB Contest. Good luck to our fellow Bumblebees throughout the Country.

72, Paul AA4XX BumbleBee #17

Derek Brown wrote:

>
> Guys,
>
> Look for John, WB4OFT, Paul, AA4XX and, yours truly, WF4I, this Sunday
> afternoon, July 25th, 1 until 5 PM as we participate in Adventure Radio
> Society's Annual Flight of the Bumblebees. John will be operating from Mt.
> Mitchell State Park (elev. ~ 6500 ft.), Paul from Topsail Is. (elev. > 0
> ft., I hope), and me from Moores Knob at Hanging Rock State Park (elev. ~
> 2500 ft.). John will be exclusively on 20M using his SST (won in the
> Bumblebee drawing the past year) and I will also focus on 20 but give a
> listen on 40 & 15M using my Sierra. Perhaps Paul will enlighten us as to
> his operating plans (the debut of his new kite antenna was delayed by
> inclement weather during Field Day - hmmm ???). Those of us who have
> previously agreed to operate from a portable location have been designated
> as "Bumblebees" and will count as multipliers.
>
> There are several other Bumblebee / Knights like Rick, KF4AR (operating from
> the Charlotte area?), that will also be in there looking for YOUR call.
>
> For the rules and more information go to the ARS Website:
> <http://www.natworld.com/ars/>
>
> 72 de Derek, WF4I / BB
> Bumblebee #10

Date: Fri, 23 Jul 1999 16:17:28 -0700
From: "Russ Carpenter" <russ@natworld.com>
To: "QRP-L List" <qrp-l@lehigh.edu>
Subject: [45888] The Final Roster of Bees
Message-ID: <199907232318.QAA04199@guppy.pond.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

105 Bumblebees are about to ambulate by human power to remarkable places
across the country, just to entertain you on Sunday, July 25. Don't miss it!

The final Bee roster is posted at
http://www.natworld.com/ars/pages/bumblebees/1999bb_roster.html. And you can
see the rules for this great event at
http://www.natworld.com/ars/pages/bumblebees/bb_rules.html.

Russ Carpenter, AA7QU
Contest Manager for Adventure Radio Society

Date: Fri, 23 Jul 1999 18:20:46 -0500
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [45889] Re: millawattting
Message-ID: <003801bed561\$fef585c0\$d637a497@aa5tb>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

"I agree with you completely, Walt - it takes absolutely NO skill to transmit at 10mw using an indoor antenna, or any antenna type for that matter."

It does if you can break a pile-up with it :-) This goes for QRP in general.

I agree the receiving end is usually the one with the skill.

73,
Steve Yates - AA5TB
Fort Worth, TX - EM12gs
<http://home.swbell.net/aa5tb>

Date: Fri, 23 Jul 1999 19:17:23 -0400
From: VE3JC - John C <jbcumming@wwdc.com>
To: w4du@bellsouth.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [45890] Re: FDIM 2000 - Feedback Needed
Message-ID: <3798F803.30881B33@wwdc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Ken -

A few "IMHO" thoughts on the proposed "two tracks":
- first of all, "two tracks" sounds like "double the work" for the

volunteers who put together FDIM. If they are going to put in twice the work, it should produce at least "twice the benefit" for parasites such as myself who sincerely appreciate all the work the volunteers put in. My own feeling is that this will not be the case.

- most people attend FDIM and other similar events to "catch the magic" of QRP. If I REALLY wanted to "learn" the technical intricacies of antennas, for example, I could lock myself in my office and read everything on LB Cebik's web site, for a lot less expense than attending Dayton. But the real "magic" comes from listening to LB "TALK" about antennas, and it doesn't matter if I am a technical wizard or a "newbie"
- I can benefit from listening to LB's talk. It is no coincidence that people such as LB, Ade Weiss, George Dobbs, and Russ Carpenter have been "professional talkers" in their paying careers. They are just plain "fun" to listen to (even when I don't have a full technical grasp of their subject matter).
- perhaps one "breakout session" (in which one of several topics, such as "QRP basics" could be addressed) would be worthwhile, but I would hate to think that ANYONE would have missed out on the finer points of building a "Ferret core" device as covered by the Rev. George.

- focus on the sessions that spread the "magic" of QRP - OT's and newcomers alike will go away with a smile on their face, and the inspiration to "learn more"

Thanks again for all your energy and commitment to a GREAT event.

72/73, John VE3JC

w4du@bellsouth.net wrote:

> It has
> been suggested to me that we have two tracks next year. One would be
> for experienced hams and be technically geared to that level. The
> second track would be for the novice to amateur radio.

		VE3JC John Cumming
Q		Delaware, ON CANADA
/\		jbcumming@wwdc.com
@` /<----		hf qrp cw bicycle mobile
(*) \(*)		http://www.geocities.com/CapeCanaveral/Lab/7378/

Date: Fri, 23 Jul 1999 18:44:50 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: kory@avatar.com
Cc: qrp-l@lehigh.edu
Subject: [45891] RE: PLL emulated with cpu
Message-ID: <199907232327.TAA00332@moose.ncia.net>

MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

>
> Pardon my ignorance, but is this similar to how the tentec scout works with
> its PTO osc?

>
Kory,
(and other interested parties),

No.

The Scout PTO stabilizer works on a frequency counter princable. It measures the frequency of the VFO and then tries to keep it there by pushing or pulling the frequency one way or the other, as need be. The "lock" window is only 600 Hz, which is why some Scouts (like mine) have an annoying tendency to "jump" when they run out of lock range.

I strove to emulate the way a PLL works as closely as possible, by comparing a reference frequency generated by a timer to the VCO frequency counted by a "/N" counter. If the /N counter overflows before the reference counter, the VCO is driven down in frequency until the reference counter overflows. If the reference counter overflows before the /N counter, the VCO frequency is driven higher, until the /N counter overflows. In between times, the output is tristated. The counters are resync'ed as close as possible for each sample.

The few Hz of "wobble" I see on the output is due to the fact this scheme generates a short pulse even if the frequency matches, as the cpu can't handle simultaneous events and there is some proccessing overhead to deal with. This effectivly results in a "dead zone" The cpu is working at 10 MIPS (10 million instructions per second) but even at this speed, it creates noticable jitter. While not perfect, it's pretty darn remarkable it works as well as it does.

BTW, the VCO is operating at 72 MHz and isn't very stable to begin with. Keeping it locked to within a few Hz has me doing the "Happy Dance"

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Fri, 23 Jul 1999 18:45:01 -0500
From: Jay Freeman <jayFreem@direcpc.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [45892] Re: millawatting
Message-ID: <3798FE7C.81CE52C8@direcpc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Howdy Neighbors,

wayne reed wrote:

> I do agree that we have often not given the other op the credit he
deserves
> for digging the signal out. However, if he gives you 559 or more, he
is not
> doing exceptional work.

This reminds me of my most unpleasant experience as a QRPer. I called a
guy on
10m, and after getting his exchange (he gave me a 579), I sent my info
and "rig
hr is ft-990 running 4w to a g5rv". He came back with "is ur rig
broke?". I had
to ask him to repeat the question 3 times, it was so unexpected I
couldn't make
it out :). After I sent "no, I'm qrp" he sent "well it makes it hard to
copy
you". So I said 73 and signed off. I guess there are 579s and there are
579s.

72/3,

Jay - WT9S

Date: Fri, 23 Jul 1999 19:58:23 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: jayFreem@direcpc.com
Cc: QRP-L@Lehigh.edu
Subject: [45893] Re: millawatting
Message-ID: <3799019F.2EB1@erols.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jay,

Now you know why CW is so popular! Don't give up, conditions change and people leard to listen a bit harder. Bet if your prefix started with almost any letter but W, or K, or A, or N, he would have been all ears!

73

Date: Fri, 23 Jul 1999 20:22:22 EDT
From: "Jeffrey L. L. Greer" <wd4et@juno.com>
To: w6toy@erols.com
Cc: qrp-1@Lehigh.EDU
Subject: [45894] Re: RS Code Practice Tapes
Message-ID: <19990723.202953.4238.0.wd4et@juno.com>

Hi Bruce,

>> memorizing them.....

Isn't that the point? :)

Actually, I found them useful to relearn the code several years ago when I returned to radio. Partucularly up to the 13 wpm level. For me, multi-mode learning did the trick. I listened to tapes, random code generated by one of those MFJ code tutors, sending code, translating street signs to code, copying a good source on the air, etc.

They are cheap and would make a nice donation to a club library.

73

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Fri, 23 Jul 1999 20:35:10 -0500
From: Jay Freeman <jayFreem@direcpc.com>
To: w6toy@erols.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [45895] Re: millawatting
Message-ID: <3799184D.4D0A4523@direcpc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Bruce,

Bruce Muscolino wrote:

> Jay,
>
> Now you know why CW is so popular! Don't give up, conditions change and
> people leard to listen a bit harder. Bet if your prefix started with
> almost any letter but W, or K, or A, or N, he would have been all ears!

You're probably right :). And I haven't given up, or even thought of it.
I've probably made more cw contacts over the past 5 months since "seeing the
light" than in 18 years of hamming before. And that's the only really bad
experience I've had. BTW, there was no qsb that I could hear, 10m was rock
solid that day. On the plus side, I made my first ever 12m cw contact on the
same day, with a very friendly guy in Brazil. It all balances out :).

72/3,

Jay - WT9S

Date: Fri, 23 Jul 1999 21:46:10 EDT
From: n5ib@juno.com
To: qrp-l@Lehigh.edu
Subject: [45896] Q-dope substitute?? - preliminary test results
Message-ID: <19990723.193736.4775.0.N5IB@juno.com>

Seek and ye shall find...ask, and ye shall receive. An off-hand inquiry
to one of my colleagues in the department revealed the presence of an HP
4192A Impedance Analyzer down in the gravity wave observatory. Its a big
sucker... not "QRP" by any stretch, except maybe that its portable
i.e. it has two handles.

I wound 35 turns of #26 on a T50-2 and measured it at $L = 6.482 \mu\text{H}$, $Q = 204$, at 10 MHz

gooped it up with "Plasti Dip" and let it air dry for 30 minutes...

L = 6.686 uH, Q = 35 (!!)

allowed it to cure for about four hours (ambient air)

L = 6.555 uH, Q = 140

I will allow it the whole weekend to fully cure then measure again. But it looks like it will be pretty lossy.

The nice part is I've found this great instrument and have a standing invitation to come down to the gravity wave shop and use it. I sense the possibility of some neat and fun "research projects" and would happily collaborate with someone who has a good idea to investigate.

72

Jim N5IB

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Fri, 23 Jul 1999 21:51:45 -0700
From: w4bws@juno.com
To: PUNISHER3@aol.com
Cc: qrp-1@lehigh.edu
Subject: [45897] Re: disposable polaroid batteries
Message-ID: <19990723.215152.-230881.0.w4bws@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Polaroid makes a disposable flashlite now that uses the same battery and has a shelf life of 5 years I believe. It's been a while but I believe they are 6 volts. I use one to power a couple high output LED's in a flashlite I made. I also use them to power a few flashing leds on my call/name badges at hamfests. Yeh I know, but It draws attention to the VHF/Dualband antennas I make and sell. 144/450 for \$24.95 in a weather resistant white housing. I sell lots of them for the marine band and commercial repeaters and other temporary disposable antenna installations. So i make them for the hams for fun-well, i get to go to the hamfests and write it off as a business expense--Beat that. Oops, I guess thats my one commercial for july. Back to melting solder.

Don W4BWS

On Thu, 22 Jul 1999 13:26:06 EDT PUNISHER3@aol.com writes:

> i found an empty polaroid film case. So anyway, my question is
>to the people that have experimented with these... How many
>volts does it put out, how long does it usually last and what you
>guys are doing with these batteries...
>I want to use this somehow, but don't know what for.
>
>Thanks a bunch,
>Ben
>NW7DX

Don Sanders W4BWS

694 E. Eau Gallie Blvd

Satellite Beach ,FL 32937

My favorite QRP rig glows in the dark

Date: Sat, 24 Jul 1999 00:02:13 -0400

From: Ham <hduff@ica.net>

To: qrp-l@lehigh.edu

Subject: [45898] Another airborne DSW-40

Message-ID: <37993AC5.2D70CA26@ica.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=x-user-defined

Content-Transfer-Encoding: 8bit

Content-Transfer-Encoding: 8bit

Well folks, another Small Wonder Labs DSW-40 hit the air tonight.

After a couple of evenings of assembly, I am happy to announce that it worked

the very first time !!!

My first contact was with AA8WQ, Paul in Dover, OH. who was also QRP with a Wilderness rig. No distance records set but QRP to QRP was challenging enough considering the QSB and QRM. (My antenna is a modest 1/2 size G5RV at 30 ft.)

Admittedly, my fist is a bit rusty (sri Paul :) but I think the challenge and excitement of working QRP with the DSW-40 may entice me to get back on the key.

Just a quick plug ...The implementation of a DDS and the virtually no-tune design of the DSW-40 plus the very well written manual make for a near post-assembly "turn-key" operation of this kit. The built-in keyer is a treat, so is the audible CW frequency annunciation. Kudos to Dave Benson, NN1G...keep the new designs coming.

I'll be taking my DSW cottaging with me near Georgian Bay, Ontario during the 1st week of August. Perhaps I'll catch some of you on the air !

72 de Hugh, VA3TO

Date: Fri, 23 Jul 1999 21:38:01 -0700
From: sigcom@juno.com
To: qrp-1@Lehigh.EDU
Subject: [45899] Re: disposable polaroid batteries
Message-ID: <19990723.213807.-267997.4.sigcom@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Group,

Here you go: <<http://www.polaroid.com>>. Use their search engine, key word: polapulse.

In a nutshell, the Polapulse battery comes in two versions, both 6 Volt. The OEM P80 battery is the one you find in empty Polaroid film packs. The P100 is a consumer version in a plastic housing. I have never seen these for sale anywhere, but why buy when one can scrounge.

>From the graphs, it appears that the Polapulse battery would be a fine power source for a QRP, CW transmitter. From the graphs on the Polaroid web site, it appears that the batteries are definitely not designed for continous discharge use (fairly obvious considering how they're used in cameras). Would be a great power source for a Spartan Sprint rig, IMO.

Check out the site. Lots of good info there. Enjoy.

73.....Steve, WB6TNL
The Scrounger

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Fri, 23 Jul 1999 23:13:57 +0000
From: Tim Ahrens <tahrens@hilconet.com>

To: qrp-1@lehigh.edu
Subject: [45900] Z31E
Message-ID: <3798F735.3DF1ACD8@hilconet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Was I dreaming when I got this guy? about 14012, 0330 utc, Friday evening (US).

He was just calling CQ! (a few takers, but no pileup).

K2 @5 & dipole

Thanks all... hope everybody else is having fun at Ft. Tut :-(

Tim W5FN

Date: Fri, 23 Jul 1999 23:56:31 -0500
From: "Charles Hamel" <cdhamel@pdq.net>
To: "QRP List" <qrp-1@Lehigh.EDU>
Subject: [45901] OT Tech
Message-ID: <007801bed590\$e99add40\$be1890d1@cdhamel>
MIME-Version: 1.0
Content-Type: text/plain;
charset="windows-1250"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi all, I got a question for you all, I received my license in 1993 as a Tech no code, Later I passed the 5wpm and I think the novicer written portion or maybe I passed that when I originally took the test! Anyways on the QRZ callsign lookup my license class says Technician while others say Tech Plus. My question shouldnt my license class say tech plus also?? Was wanting to know because I planned to upgrade to General in a couple of weeks!

Thanks

Charles
KC5DXQ - Norcal Zombie - HQRP- QRP-L #1919
<http://www.angelfire.com/de/kc5dxq/index.html>

Date: Sat, 24 Jul 1999 02:28:49 -0400
From: Pete Burbank <plburbank@kih.net>
To: <qrp-1@Lehigh.EDU>
Subject: [45902] RFI,EMC,EMI
Message-ID: <3.0.32.19990724022341.006fee50@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gangue,

It seems that there are always questions about the junk on the airwaves. Obviously it is a complicated issue...in fact my 'puter may be messing up a local ham but still passes Part 15. I admit to being a Compu-nerd and hopefully will fumble my way through the wonderful CD-ROM from Paul Valko...TNX ALL!!!!and read previous postings on the subject. Tracking down EMI is not really a milliom laughs but can contribute to personal girth reduction.

Local Neighborhood Tracking..

The most useful tool (read Cheap) is an old 27 meg CB AM HandI-Talkie...Yard sales in the kiddie plastic toy box.

Just walk around and keep pushing down the whip antenna.

To me RFI constitutes a vendetta having grown up in South Dakota with a Ham running the line crews at the power company and enjoying the

"Hiss of the Ether"

I hope this is useful to someone.

73 es 88

Pete NV4Vvvvvvvvvvvvvvvv More if you want it

Date: Fri, 23 Jul 1999 23:46:50 -0700 (PDT)
From: "Robert P. Okas" <vintage@best.com>
To: n5ib@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [45903] Re: Q-dope substitute?? - preliminary test results
Message-ID: <Pine.BSF.4.10.9907232343120.28711-100000@shell14.ba.best.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Jim,

Interesting analysis regarding the ersatz Q-Dope. However, what's the

scoop on gravity-waves? They've been talked about for a long time and I'd think by now somebody has some information...

73,
Bob - W3CD

On Fri, 23 Jul 1999 n5ib@juno.com wrote:

> Seek and ye shall find...ask, and ye shall receive. An off-hand inquiry
> to one of my colleagues in the department revealed the presence of an HP
> 4192A Impedance Analyzer down in the gravity wave observatory. Its a big

Date: Fri, 23 Jul 1999 18:27:39 -0400
From: Bill B Lazure <n2tpa@juno.com>
To: qrp-1@lehigh.edu
Subject: [45904] RE: Increasing CW TX Speed
Message-ID: <19990724.042758.6974.0.N2TPA@juno.com>

To all who asked,

The page I was referring to was none other than Chuck, K5FO's. The URL is: www.qsl.net/K5FO (I think).

GL,

Bill
W2EB

>When am I going to learn! Charlie, WA5KRF suggested I check out Chuck's home >page. Yup, sure as beans there's all the answers to the questions I had.

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Sat, 24 Jul 1999 03:39:06 -0500
From: "Randy Jouett" <rules@bellsouth.net>
To: <n5ib@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [45905] Re: Q-dope substitute?? - preliminary test results
Message-ID: <011201bed5b0\$04578ec0\$3e66d6d1@spock>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: n5ib@juno.com <n5ib@juno.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Friday, July 23, 1999 8:48 PM
Subject: Q-dope substitute?? - preliminary test results

Hi Jim,

>Seek and ye shall find...ask, and ye shall receive. An off-hand inquiry
>to one of my colleagues in the department revealed the presence of an HP
>4192A Impedance Analyzer down in the gravity wave observatory. Its a big
>sucker... not "QRP" by any stretch, except maybe that its portable
>i.e. it has two handles.

Well, I guess you can blow off my oscillator test :^).

>I wound 35 turns of #26 on a T50-2 and measured it at $L = 6.482 \text{ uH}$, $Q =$
>204, at 10 MHz
>
>gooped it up with "Plasti Dip" and let it air dry for 30 minutes...
>
> $L = 6.686 \text{ uH}$, $Q = 35$ (!!)
>
>allowed it to cure for about four hours (ambient air)
>
> $L = 6.555 \text{ uH}$, $Q = 140$
>
>I will allow it the whole weekend to fully cure then measure again. But
>it looks like it will be pretty lossy.

Well, you did have a big spike in the X/Y plot, so it might not
be too bad if you let it dry for 24 hours and check it like you're
doing, Jim.

>The nice part is I've found this great instrument and have a standing
>invitation to come down to the gravity wave shop and use it. I sense the
>possibility of some neat and fun "research projects" and would happily
>collaborate with someone who has a good idea to investigate.

All right, Jim! Sounds great. Nice to be able to access expensive equipment and experiment. Hmmm. Maybe you could explain Q to your students that don't know anything about it and let them come up with things to try as Q Dope? :^). You could even give em' a pop quiz on it, for good measure, of course :^).

Haven't read up on gravity waves is years, Jim. Any new theories? How about time distortion and gravity waves? Intense electro-magnetic fields and time distortion? Weren't you guys looking at building a linear accelerator a few years ago, or some type of xray-lithography or electron-packet-bombardment setup? I remember reading about it when I was in college.

72/73,

Randy Jouett, AB5NI

Date: Sat, 24 Jul 1999 19:09:35 +1000
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [45906] Q-dope substitute?? - preliminary test results
Message-ID: <379982CF.9B56872A@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jim and others

Wow fancy having access to an instrument like that!

If at all possible could someone try normal polystyrene (as in disposable coffee cup) dissolved in chloroform. I was told yonks back this was the way to go but I never had access to small quantities of chloroform. Perhaps someone in a Uni near a chem lab could chisel some. Near killed myself and a work mate in 1958 at Sydney Uni decanting the stuff but that's another story.

I was told this mixture made excellent Q-dope with minimal impact on Q and I've always wondered. Never been in a position to try it let alone measure the results.

73's

Ian Purdie

VK2TIP "I'll give you the TIP mate"

Budgewoi N.S.W. Australia

Tel: 61 + 2 + 4399 3228 (2200 - 0800 U.T.C. please.)

QRP-L member #1978.

URL - <http://www.integritynet.com.au/~purdic/>

URL - <http://www.qsl.net/vk2tip/>

"Three out of five Web experts agree that frames are the work of the devil and represent all that is evil about the Web. The remaining two experts are agnostic and think that frames are just a stupid idea" -

Date: Sat, 24 Jul 1999 06:40:47 -0400

From: Rick Sealey <rsealey@InfoAve.Net>

To: QRP-L@LEHIGH.EDU

Subject: [45907] Re: millawatting

Message-ID: <4.1.19990724063146.00a80720@mail.infoave.net>

MIME-version: 1.0

Content-type: text/plain; charset="us-ascii"

Jay,

Yeah, ain't it so?

You should have asked him if he had such a hard time copying, why he gave you 579.

Reasonably accurate signal reports sure would benefit us all.

Rick - W4SEA

High Point, NC

At 06:45 PM 07/23/1999 -0500, you wrote:

----- SNIP -----

>10m, and after getting his exchange (he gave me a 579), I sent my info

>and "rig

>hr is ft-990 running 4w to a g5rv". He came back with "is ur rig

>broke?". I had

>to ask him to repeat the question 3 times, it was so unexpected I

>couldn't make

>it out :). After I sent "no, I'm qrp" he sent "well it makes it hard to

>copy
>you". So I said 73 and signed off. I guess there are 579s and there are
>579s.
>
>72/3,
>
>Jay - WT9S
>

Date: Sat, 24 Jul 1999 11:59:18 +0100
From: "Frank G3YCC" <frank@g3ycc.karoo.co.uk>
To: "QRP-L" <qrp-l@lehigh.edu>
Cc: "GQRP-L" <gqrp@onelist.com>
Subject: [45908] Antenna Anthology
Message-ID: <016401bed5c3\$950319e0\$69ef5cc3@prsat0x1>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Regarding the sending of my book to the USA. Thanks to all who mentioned sending a supply to an agent in the States, however, there are only a limited number available for sale, so it would not be worth it. I am still enquiring about Visa orders and will inform you on that outcome. Another possibility may be worth considering. If a few people got together one order, which would be one conversion rate to Sterling, you could save that way and the books would be sent separately to each individual. Would that help?

A couple of comments on the book so far:

Book arrived in the post this morning (Friday)
Very pleased with it. (G4IAT).

I find it a darned good read, and it will be amongst my reference books along with the other books appertaining to Amateur Radio. (G4NSP)

Supplies are limited!

...

Frank G3YCC G QRP 042, G QRP Sales Officer.
QRP web page <http://www.karoo.co.uk/g3ycc/>

Date: Sat, 24 Jul 1999 07:28:11 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: QRP-L List <qrp-l@lehigh.edu>, gqrp@onelist.com, towertalk@contesting.com,
antennas@qth.net, antennaware@contesting.com
Subject: [45909] Something old; something new
Message-ID: <Pine.GS0.4.10.9907240721420.24514-100000@moe.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

After distributing the Keys to Understanding Scientific Discussion and Literature, I received a wonderful array of appreciative notes, equally divided between those who vaguely remembered the list and welcomed an old friend and those who had never before seen it and felt guilty for having used a column-1 expression on at least one occasion. 2 separate sources sent me copies of another item originating at the same time (about a quarter century ago, I think). While equally fascinating, it had more to do with administration and management than it did with electronics of the sort that interests us.

However, if necessity is the mother of invention, then play is surely the father. So let's review the original item and then see what electronic damage we may do to it.

=====

How To Win At Wordsmanship

After years of hacking through etymological thickets at the U.S. Public Health Service, a 63-year-old official named Philip Broughton hit upon a sure-fire method for converting frustration into fulfillment (jargonwise). Euphemistically called the Systematic Buzz Phrase Projector, Broughton's system employs a lexicon of 30 carefully chosen "buzzwords":

Column 1	Column 2	Column 3
0. integrated	0. management	0. options
1. total	1. organizational	1. flexibility
2. systematized	2. monitored	2. capability
3. parallel	3. reciprocal	3. mobility
4. functional	4. digital	4. programming
5. responsive	5. logistical	5. concept
6. optional	6. transitional	6. time-phase
7. synchronized	7. incremental	7. projection
8. compatible	8. third-generation	8. hardware

9. balanced

9. policy

9. contingency

The Procedure is simple. Think of any three digit number, then select the corresponding buzzword from each column. For instance, number 257 produces "systematized logistical projection," a phrase that can be dropped into virtually any report with that ring of decisive, knowledgeable authority. "No one will have the remotest idea of what you are talking about," says Broughton, "but the important thing is that they're not about to admit it."

=====

Two facts struck me. First, every ham wishes he or she could come up with the key electronic invention that would solve the world's problems, make one rich beyond belief, and write one's name large in all future history books. Second, all that is needed is inspiration.

Since the first premise is set, all we need is a source of inspiration. That's where Broughton's word-play device comes into play. By judiciously selecting words for 3 columns, we can inspire ourselves to create the electronics of tomorrow. So I made up my list of inspirational concepts.

Column 1

Column 2

Column 3

0. integrated
1. asynchronous
2. analog
3. parallel
4. functional
5. transferrable
6. digital
7. synchronized
8. compatible
9. balanced

0. encoded
1. programmable
2. monitored
3. reciprocal
4. demodulated
5. logic-based
6. transformational
7. incremental
8. fifth-generation
9. time-phase

0. optimizer
1. converter
2. reactor
3. transducer
4. interface
5. buffer
6. filter
7. instrument
8. regenerator
9. generator

Be careful: some 3-digit inventions may already exist, such as 654. However, I have never seen a 770 or a 049. You may revise the list to suit your special interests. But there is fertile inventive ground, even in this preliminary cut. So while you rewrite the list, I am off to the shop. I do not know today if I shall try to make an 898 or a 542.

-73-

LB, W4RNL

Note to list moderators: since my office is now thoroughly cleaned out, this will be the last of my off-topic notes for a long time to come.

Date: Sat, 24 Jul 1999 07:57:28 -0400
From: mikemo@ibm.net
To: rsealey@InfoAve.Net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [45910] Re: millawatting
Message-ID: <3799AA28.638A4122@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Rick Sealey wrote:

> You should have asked him if he had such a hard time copying, why he gave
> you 579.

I think some ops just give 599 for everything they can copy solid, and
579 for everything else. Perhaps to avoid hurting feelings ;-)
I am a firm believer in that the op on the receiving end of a QRP signal
needs just as much skill (and quality gear) as the qrp op himself.
I'm sure that a bunch of the DX I've worked would never have taken place
if the guy on the far end had such a lousy antenna as me (40M dipole at
5 meters). Wouldn't it be wonderful to have a full size 3 element 40
meter monoband beam at 75'? I'll keep dreaming...

> Reasonably accurate signal reports sure would benefit us all.

Yes it would.

72 de ku4qo

Date: Sat, 24 Jul 1999 08:23:21 -0400
From: "Frank Matthews" <fmathews@pilot.infi.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [45911] Q-Dope Substitute
Message-ID: <004901bed5cf\$523b09e0\$470b61d1@fmathews>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Fellow QRP-Lers,

I've been reading with interest the posts lately on a substitute for "Q-Dope". Dick Witzke, KE8KL of Oak Hills Research states on page 15 of the OHR 100 assembly manual: "and some Q-dope or clear finger nail polish to hold the turns on the VFO inductor."

I did not recall seeing clear finger nail polish posted to the group. It would also be interesting to see the "gravity wave" test (Impedance Analyzer) results for nail polish. One thing is for sure...it dries fast!

I'm not sure if clear finger nail polish is an "approved" QRP-L substitute for Q-dope but I can say that when I built my OHR100 a few years ago...that's what I used and to date have not had any problems. And....the price was right!....cheap. Just thought I'd share the info in case some members of the group had not heard of it before.

72, Frank
KC4FKX

Date: Sat, 24 Jul 1999 06:33:43 -0700
From: "Francis Callahan" <colcal@srv.net>
To: <frank@g3ycc.karoo.co.uk>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [45912] Re: Antenna Anthology
Message-ID: <199907241231.GAA14799@srv.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

If you go to your local bank they will sell you a money order in sterling we have done it a couple of times 72 Cal KF7ET Cheers

> From: Frank G3YCC <frank@g3ycc.karoo.co.uk>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Subject: Antenna Anthology
> Date: Saturday, July 24, 1999 3:59 AM
>
> Regarding the sending of my book to the USA. Thanks to all who mentioned
> sending a supply to an agent in the States, however, there are only a
> limited number available for sale, so it would not be worth it.
> I am still enquiring about Visa orders and will inform you on that
outcome.

> Another possibility may be worth considering. If a few people got
together
> one order, which would be one conversion rate to Sterling, you could save
> that way and the books would be sent separately to each individual. Would
> that help?
>
> A couple of comments on the book so far:
>
> Book arrived in the post this morning (Friday)
> Very pleased with it. (G4IAT).
>
> I find it a darned good read, and it will be amongst my reference books
> along with the other books appertaining to Amateur Radio. (G4NSP)
>
>
> Supplies are limited!
> ...
> Frank G3YCC G QRP 042, G QRP Sales Officer.
> QRP web page <http://www.karoo.co.uk/g3ycc/>
>

Date: Sat, 24 Jul 1999 12:35:47 +0000
From: Hrafnkell Eiriksson <hkelle@rhi.hi.is>
To: qrp-1@Lehigh.EDU
Subject: [45913] Q-Dope Substitute
Message-ID: <19990724123546.A1203@rhi.hi.is>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hi

Last time I wound coils for a VFO I used a glue called
"Permabond" to hold the windings in place. Permabond
is made from cyanoacrylate (or something like that).
I measured the Q before applying the glue and after using
a HP Impedance/network analyzer and the glue had little
effect on the Q. It was 195 before and 186 after applying
the glue.

73,

--

//-----//-----
// Hrafnkell Eiriksson // Student of Computer- and Electrical engineering
// hkelle@rhi.hi.is // at the Univeristy of Iceland
// he@ieee.org // "Blessed are they who go around in circles,
// Finger for PGP key // for they shall be known as Wheels"

Date: Sat, 24 Jul 1999 08:38:49 -0400
From: "Tim Cook" <timcook@erinet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [45914] FS: OHR WM-2 Wattmeter
Message-ID: <006e01bed5d1\$7ae287e0\$90735acf@timcook.erinet.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have too many wattmeters, and am selling the OHR WM-2 wattmeter. It is completely assembled, in exc. condition and has all paperwork with it. I will ship in in the cont. US for \$75.

Thanks
Tim NZ8J

Date: Sat, 24 Jul 1999 08:42:38 -0400
From: "John J. McDonough" <jjmcd@tm.net>
To: <fmathews@pilot.infi.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [45915] Marking toroids (was: Q-Dope Substitute)
Message-ID: <000601bed5d2\$05fd7e20\$010044c0@conor-mac-nessa>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Speaking of nail polish, while building my 2N2/40, I found another use.

Those darned trifilar transformers are impossible. You got 6 leads, invariably they need to go off in strange directions, and they all look the same. I was having a devil of a time keeping them straight.

I ran down to the drug store and got 3 bottles of different-color nail polish - one pink, one green and one blue. I stuck to light colors so they would show well against the enamel. After I wound each toroid I put a drop or two of polish on the leads. One drop for the non-dot end, 2 drops for the dot end. Now I can figure out which lead goes where.

Be warned, however ... the amount of smoke in a drop of nail polish brought

to soldering temperature is truly astonishing.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr/>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Sat, 24 Jul 1999 09:33:02 EDT
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [45916] QRP-L
Message-ID: <1296dff4.24cb1a8e@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I visited the QRP-L archive site and noted with interest that about half the messages in the archive never arrived in my mail. Has anyone else noted this problem? Not sure if I need to contact the ISP (AOL) or check with the QRP-L folks...Alan KB7MBI (I have no filters on)

Date: Sat, 24 Jul 1999 07:45:12 -0600
From: "William R. Colbert" <af852@rgfn.epcc.edu>
To: cdhamel@pdq.net, qrp-l@lehigh.edu
Subject: [45917] Re: OT Tech
Message-ID: <3799C368.14F680C1@rgfn.epcc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-2
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The license should say Tech Plus. The best way to know for sure is to go to the FCC web site and take a look altho QRZ.com is usually right up to the minute. Your cse that you received when you took the code test should also indicate the element upgraded and to what class. You would have taken the novice written as the first part of your Tech written. However, when you go to take your General in a couple of weeks, make sure that you take a <COPY> of your license, and since you are upgrading to General, the new

13 wpm test will negate whether or not you have the 5 wpm credit.
The only time it would
probably ever come up would be if someone questioned your hf
operations - the likelihood
is slim. Good luck on your upcoming upgrade.
73
Ray
--

"Politicians are like nappies. Both should be
changed regularly -- and for the same reason"
"Scotsman - Scotsman's Diary 12/97"

Ray Colbert, W5XE, 00TC 3618, SOWP 1064M NCT2 ARRL-VE
(also w5xe@juno.com El Paso, (FAR WEST) TEXAS

Date: Sat, 24 Jul 1999 10:08:07 -0400
From: Jim Stafford <w4qo@amsat.org>
To: qrp-1@lehigh.edu
Subject: [45918] Re: RS antenna insulator closeout
Message-ID: <3799C8C7.A0718774@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

My preferred insulator is a 3 inch section of 1/2" thin wall PVC with a
hole near each end. A stick of the PVC is less than a buck here for 10
foot piece so the yield is high. It does take 15 minutes to turn the
whole length into insulators however.

I have not had any fail due to UV in several years but that might be a
factor.

--
Jim Stafford, W4QO 770-993-9500 VP - QRPARCI #6515
+++The THRILL is back - QRP - what ham radio is all about!
+++<http://www.qrparci.org>

Date: Sat, 24 Jul 1999 10:33:33 EDT
From: Drbob92031@aol.com
To: qrp-1@lehigh.edu
Subject: [45919] free, rechargeable NiCds
Message-ID: <cb00fe05.24cb28bd@aol.com>
MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi all;

I have been noticing posts re: polaroid batts.

I have been using NiCds from electric razors for a few years now. I get them for nothing by visiting a few local razor repair stations or a Remington or Norelco store.

They clean/repair the electric razors. They replace the batteries as a routine and the ones removed are usable and rechargeable. They have tons of them because they can not throw them away they are considered hazzard waste and must be picked up by special disposal companies. The stores pay for this service by the weight. They are more than happy to give me a box of 50!! lbs. worth of NiCds for free.

I go thru them and keep the ones that still have a good charge. I also recharge them.

They are bout 1.2Vdc so I place them in a few cardboard rollers from paper towling to keep them in line.

For free its worth a little effort.

73/72 de WA2EAW...Bob

Date: Sat, 24 Jul 1999 10:39:35 EDT
From: PDouglas12@aol.com
To: qrp-1@lehigh.edu
Subject: [45920] 2N2 Certificates 5 & 6 Awarded
Message-ID: <c43240f3.24cb2a27@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang,

I have mailed out certificates 5 & 6 to Mike Fitzgibbon and John McDonough who have completed their 2N2/40 homebrew transceivers by K8IQY. Congrats to them both for their nice work. I have pictures of all of the first 6 rigs and will eventually try to put them up on my feeble web page. Later.

CERTIFICATES ARE AWARDED TO THOSE WHO PROVIDE PROOF BY PHOTO OF COMPLETION OF THE 2N2, PLUS THE CALL OF THE FIRST CONTACT MADE WITH THE 2N2. SEND TO ME AT MY EMAIL ADDRESS HERE, OR SNAIL MAIL TO PRESTON DOUGLAS WJ2V, 216 HARBORVIEW NORTH, LAWRENCE, NY 11559.

FOR NEWCOMERS, INFO ON THE 2N2 HOMEBREW RIG IS AVAILABLE ON THE NORCAL WEBSITE--IT WAS PUBLISHED BY NORCAL IN ITS WINTER EDITION OF QRPp.

NORCAL WEB IS: <http://www.fix.net/norcal.html>

There is still time to claim your single digit certificate #S 7,8, & 9. I figure I'll do these at least up to about 25 before it becomes too much. Note, it does help to send me a SASE (big enough to hold your certificate unfolded, say 9 x 12). Saves time and that's the limited quantity here. You can send the picture by attachment to email--I can decode mime if I must, but .jpg format or .gif is easier. So, are you building out there?

72,

Preston WJ2V

Date: Sat, 24 Jul 1999 11:13:59 EDT
From: K2UD@aol.com
To: ARDUJENSKI@aol.com
Cc: qrp-1@lehigh.edu
Subject: [45921] Re: QRP-L
Message-ID: <67c0aee6.24cb3237@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Paul,

I have the same problem, also use AOL. Wonder how many other AOL'ers experience the same.

72

Howard Kraus, K2UD

Date: Sat, 24 Jul 1999 15:25:22 -0700
From: Mike Perry <pa3asc@xs4all.nl>
To: qrp-1@lehigh.edu
Subject: [45922] RE: How the Dutch ground things OR how ground a rig in a second storey room
Message-ID: <379A3D52.350E@xs4all.nl>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

George,

I suggest you send your comments to Schaffner Inc.
Their web page <http://www.schaffner.com/sch_com5.html>
offers an interesting line of earth line chokes for EMC
and RFI suppression.

Best 72/73

Mike Perry PA7XG (ex pa3asc)
E-mail: pa3asc@xs4all.nl

George T. Baker (w5yr@swbell.net) wrote:

YR> A very interesting and informative summary, but
YR> I do believe that the approach described in
YR> Para. 5, below, could possibly violate the National
YR> Electric Code in this country. The "safety ground
YR> lead" which is universally the "green wire" must
YR> never be interrupted in its connection to the system
YR> ground point.
YR> While this may appear to be of academic concern
YR> only, most insurance companies have grounds for
YR> denying damages which result from actions that
YR> involve code violations.
YR> Comments?

Mike Perry wrote:

XG> 5. Isolate the mains supply and its safety ground from the
XG> shack at RF, whilst ensuring good low impedance connections
XG> at the supply frequency. This means placing one or more
XG> filters in the supply line and also a lossy inductive choke of
typically
XG> a few hundred microhenries in the safety ground lead. This
XG> choke must be able to carry the maximum fault current and it
XG> should be wound with the same thick wire used in a high capacity
XG> mains lead, using a large ferrite torroid (lossy at RF) as a former.
XG> All grounding capacitors in the filters must be connected to the
XG> 'shack' side of this choke.

--

Date: Sat, 24 Jul 1999 11:24:43 EDT
From: K2UD@aol.com
To: qrp-l@lehigh.edu
Subject: [45923] Q-dope substitute
Message-ID: <1abef791.24cb34bb@aol.com>

MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

John and others,

If you purchase the double balanced mixer "kit" from Dan's Small Parts, He will send you 3 different colored wires to wind with. Very convenient! I used the wires for all the tri-filar and bi-filar windings in my 2N2's.

The kit comes with 4 matched diodes (HPs came in mine), 2 cores (you pick he has FT37-43s and 1 other) and of course the 3 colored wires, 28 ga. I believe.

On to the detector stage!

72

Howard Kraus, K2UD

Date: Sat, 24 Jul 1999 11:33:01 EDT
From: K2UD@aol.com
To: qrp-1@lehigh.edu
Subject: [45924] Q dope substitute
Message-ID: <f7520593.24cb36ad@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Sorry for the duplicate message! This is how it should read.

For many years I have been using 5-minute epoxy for covering toroids. It provides a hard finish, minimizes the effects of heat (important around a VFO), certainly holds the windings intact (minimizing vibration effects), and as the name suggests, hardens in a short period of time.

I have seen no ill effects on Q or inductance after coating a toroid. I only coat one after I have determined that the turns and spacing is correct. The VFO coil in the 2N2/40, for instance, is correct now, and will be coated soon.

There is a downside to using 5-minute epoxy. If you wish to change the coil later, you must take great care removing the hardened epoxy with a heat gun (in my case), remove the wire and finally remove the left over epoxy from the core without causing damage to it. It's great if you're not going to change the value of the coil, but bites if you do wish to some time later.

It works for me, it's cheap and it's just around the corner.

72

Howard Kraus, K2UD

Date: Sat, 24 Jul 1999 10:45:07 -0500
From: applitech@mcg.net (Claton Cadmus)
To: "QRP-1" <qrp-1@lehigh.edu>
Subject: [45925] W9GR DSP Help Needed and Some Building Details
Message-ID: <034101bed5ed\$29b13f80\$a10a5e2c@groucho>

A group of us are building W9GR DSP audio filters, the first version as written up in QST back in '92, to use as testbed/learning tool for DSP. First step is to get them built and working. I just finished and it works OK, except for couple bugs I need to correct. One of the LED segments isn't lighting up, shouldn't be hard to track that down. Second bug is a high frequency tone coming from the unit. Is this the "digital noise" problem described by Larry East W1HUE? It's not too terribly loud but it is annoying. Anybody else ever have this problem? Solutions?

MAC KF4KSM wrote:

> I used the socket provided and ran ribbon cable to the led. (from an old
> hard-disk drive cable) that way I could put the led readout anywhere on the
> front of the enclosure.

Thanks for this idea! I did this and it worked out well as I found a metal A/B switch box (I get these cheap at hamfests for the cases) and the board fit in it perfect sideways. So the ribbon cable provided the right turn for LED array. All the controls on the front panel are above the left edge of the board in my unit. (Side opposite from the chokes).

I also printed up a nice face plate on the color printer using heavy beige stock and laminated it with clear shipping tape. Spray adhesive and the controls hold it on. A little black spray paint on the cover and it looks pretty good.

I mentioned this next idea some time back here on QRP-L and it's been published in Mike's "Idea Exchange" column in QQ. I connected all the wires to the board using pairs of machine pins popped out of IC sockets, one soldered into the board the other soldered to the wire with a short piece of shrink tube to cover the upper portion of the pin and up the wire

a bit. These make great connectors, a little tedious to do but really saves time when you need to do mods and remove the board.

73 de KA0GKC Claton Cadmus

cla@mcg.net

MNQRP #1

Minnesota QRP'ers we're looking for you!

Email me or visit this page <http://www.qsl.net/mnqrp>

Date: Sat, 24 Jul 1999 10:25:12 -0600

From: Jess Gypin <jessqrp@concentric.net>

To: qrp-l@lehigh.edu

Subject: [45926] EMTECH NW40 price reduced

Message-ID: <3.0.3.32.19990724102512.00699a40@pop3.concentric.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

No serious bites yet, so I will drop the price a bit.

EMTECH NW40

Tick Keyer, optional audio filter, EMTECH cabinet. Covers 7.000-7.200

Excellent condition, > 5 watts out adjustable to milliwatts.

One of the best analog receivers that I have used and with the audio filter switched in, the signals just POP out of the noise. \$100.00 Plus shipping

Still have the RS HTX 202 \$100.00

Pro-51 scanner \$100.00

Jess AE0CW

Date: Sat, 24 Jul 1999 10:47:54 -0600

From: Jess Gypin <jessqrp@concentric.net>

To: qrp-l@lehigh.edu

Subject: [45927] Items sold

Message-ID: <3.0.3.32.19990724104754.006a05b8@pop3.concentric.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Items that have been sold are

OHR 400 and DD1

Kenwood 732

Alinco 580 Dual Bander

OHR Scaf filter

Still for sale are

Emtech NW40 Price reduced \$100.00

RS PRO-51 Scanner \$100.00

RS HTX 202 HT \$100.00

Jess AE0CW

Date: Sat, 24 Jul 1999 10:45:31 -0600
From: "William R. Colbert" <af852@rgfn.epcc.edu>
To: qrp-1@lehigh.edu
Subject: [45928] Re: ready to do sub-watting-- Ft Tuthill
Message-ID: <3799EDAB.78E3F414@rgfn.epcc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Just got thru a qso with W1AW/7/qrp at the Ft Tuthill area
hamfest with Geo at the controls. Nice 2 x qrp - with me
at 700mW according to the WM-2. 7040 1620 utc
when I last heard him. Still there at 1645 altho down to a 4/2.

Great stuff.

73

Ray

"Politicians are like nappies. Both should be
changed regularly -- and for the same reason"
"Scotsman - Scotsman's Diary 12/97"

Ray Colbert, W5XE, 00TC 3618, SOWP 1064M NCT2
(also w5xe@juno.com El Paso, (FAR WEST) TEXAS

Date: Sat, 24 Jul 1999 12:44:57 -0400
From: "Tim Cook" <timcook@erinet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [45929] WM-2 SOLD
Message-ID: <00ed01bed5f3\$dfad5340\$90735acf@timcook.erinet.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks to everyone who responded, the WM-2 has been sold...
tim

Date: Sat, 24 Jul 1999 13:07:29 -0400 (EDT)
From: Jim Hale <kj5tf@yahoo.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [45930] Re: milliwatts - Skill not power
Message-ID: <19990724170729.4950.rocketmail@web704.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

It stings a little to read that milliwatting takes no skill at all. Ouch! And all the "credit" should go to the rcvr stn.

But I'm still smileing. :)

I agree that it would be a good idea that if you apply for a ARCI 1000 MPW certificate, send one to the rcvr stn also. I'll do that in the future.

Our motto is "Skill not power". But at what power level do we give up claims to haveing any operating skills, and say the rcvr stn is doing ALL the work?

At 5w? Everything below 4W? 2w? 1000mW?

Its a challange TO ME when the conditions will allow me to test QRPp to its natural limits.

Read the DX ops statements below, and you will see there emailed reports of "Q5" & "You were no louder or weaker than the general pileup when we worked."

Does this tell you something? About condx? About skill?
About QRP?

I've attached some comments from DX rcvr stns I've worked with milliwatts. They are at the bottom of this post. Please read.

When a QRO op gets bored with that they might enjoy trying QRP. We all agree on this, right?

When a QRP op needs a challenge its only natural to move on to milliwatts as condx allow.

All the skill one develops while exploring QRP are still needed, and expanded on as one explores milliwatts.

I hope this helps explain my thoughts on milliwatting.
72/71's de Jim KJ5TF

>I agree with you completely, Walt - it takes
>absolutely NO skill to transmit at 10mw using an
>indoor antenna, or any antenna type for that matter.
>You just hit the paddle or the key and away go the
>electrons. It takes one heck of a lot of skill and
>good ears to hear that signal and separate it from
>the noise and QRM a few thousand miles away. It takes
>very little skill on our part to hear a big signal.

How do those on the receiving end of a milliwatt QSO feel about QRPP? I'll let these emails tell you.

This is from a US ham operating in Honduras HR3 land on 15M band.

"VERY cool, indeed, Jim, and I remember the QSO well. You were no louder or weaker than the general pileup when we worked. Teaches us a couple lessons: (1) QRP is a good thing; (2) 3el yagis at 70ft are a very good thing; (3) Morse is a GREAT thing."

This next email comes from SM5 land.

"Your 14mW certainly made it over to Sweden and I had a Q5 copy of you most of the time. I didnt think conditions were too good but the band was for sure

open to Arkansas.

Ten meter is a fantastic band and it is great to have conditions back again."

Naturally I asked for, and recieved permission to reprint the above statements.

Do You Yahoo!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Sat, 24 Jul 1999 13:19:19 -0400
From: "curt" <k3ivb@stargate.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [45931] Items FS QRP & non
Message-ID: <001501bed5f8\$ab7db2e0\$a3b9a6d1@Curtk>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Due to the fact that I just bought a new HF rig and Bencher's new Mercury paddle, I am selling some extra radio stuff not being used. Radio & Meter are like new and work as such.

OHR400 with Keyer	shipped \$305	lower 48		
WM-2	"	" \$75 "		"
NIB Schurr Profi Paddles.....	\$250 "		"	
NIB Nye Keyer/Paddle SKM-016	\$250 "		"	

Can provide a jpeg of any or all items as requested

72/73 curt

k3ivb@stargate.net

PS: The last two items are fast becoming collector items!

Date: Sat, 24 Jul 1999 13:21:51 -0400
From: "curt" <k3ivb@stargate.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [45932] RE: Items for sale
Message-ID: <002b01bed5f9\$056c28e0\$a3b9a6d1@Curtk>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Sorry, the OHR400 "INCLUDES" the DD-1...curt

Date: Sat, 24 Jul 1999 13:22:40 EDT
From: K2UD@aol.com
To: qrp-1@lehigh.edu
Subject: [45933] W1RFI QSL address
Message-ID: <c86d3948.24cb5060@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hey Ed,

Where can I send a QSL card to you? I lost your address.

How was Ft. Tuthill? I hate it when I have to fly around here and there for my company, gets in the way of my hobby. How do you do it? Heehee.

72

Howard Kraus, K2UD

Date: Sat, 24 Jul 1999 12:07:57 -0500
From: "Randy Jouett" <rules@bellsouth.net>
To: <K2UD@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [45934] Re: Q dope substitute
Message-ID: <00ec01bed5f9\$3d1d83b0\$5767d6d1@spock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: K2UD@aol.com <K2UD@aol.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Date: Saturday, July 24, 1999 10:37 AM

Subject: Q dope substitute

Hi Howard/Gang,

>There is a downside to using 5-minute epoxy. If you wish to change the coil
>later, you must take great care removing the hardened epoxy with a heat gun
>(in my case), remove the wire and finally remove the left over epoxy from the
>core without causing damage to it. It's great if you're not going to change
>the value of the coil, but bites if you do wish to some time later.

My Elmer and Mentor, WB0ESV, told me the that there is a product on the market called "Goof Off" or "Goop Off" (didn't ask for phonetics -- dang!) that will remove clear nail polish from a toroid. With this method, he says that the user doesn't have to risk breaking the toroid if they want to get the wire off and re-use the thing in another project or do a rewind. It's available at your local hardware store and isn't all that expensive. I was thinking that maybe you could dip your toroid into this stuff and see if it will work on epoxy, too. Could be worth looking into.

72/73,

Randy Jouett, AB5NI

Date: Sat, 24 Jul 1999 13:31:31 -0400

From: RON TODD <k4wz@bellsouth.net>

To: QRP POST <qrp-1@Lehigh.EDU>

Subject: [45935] fore sale

Message-ID: <3799F872.9026A6E1@bellsouth.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Cleaning up a little.

Sierra with KC2 keyer/counter/meter All bands modules 160-10 meters

Oake Hill Research 400 80, 40, 30, 20 meters

Oake Hills Research DD-1 Digital dial

Vectronics mini-Keyer with memory vec-202

Make offer.....to k4wz@bellsouth.net

Date: Sat, 24 Jul 1999 13:34:13 -0400
From: osier <osier@northnet.org>
To: qrp-1@lehigh.EDU
Subject: [45936] WB8RCR QSLMaker
Message-ID: <3799F915.B07E6D15@northnet.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello All!!!!!!

Thanks for all who recommended this program!!
Using for the club and also for special cards for myself.....
Using a HP Deskjet 400 and running 90 lb paper.....
Seems to work quite well.....for QRP I can print out the power
instead of writing
it out.....looks slick!!!!

not a advertisementjust a happy user!!!

73s and Happy Milliwatting!!!!

George Osier , N2JNZ/QRPP

Date: Sat, 24 Jul 1999 12:33:25 -0500
From: "Randy Jouett" <rules@bellsouth.net>
To: <applitech@mcg.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [45937] Re: FDIM 2000 - Feedback Needed
Message-ID: <001d01bed5fa\$a6e55420\$3e66d6d1@spock>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Claton Cadmus <applitech@mcg.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Friday, July 23, 1999 12:37 PM
Subject: Re: FDIIM 2000 - Feedback Needed

Yo', fellow QRP Bro's :^),

>Gang, my couple of coins:

Well, here's my confederate buck, not that they are worth that much these days, except to maybe a collector or two :^) ...

>I would 'not' like to see separate "tutorial" and "technical" seminar
>sessions. I think the way it's been done is just fine and should continue.
>I don't believe that newcomers would get nothing out of a highly technical
>presentation, it will generate questions and awareness that the newcomer
>can explore. Experienced QRP 'EE's' won't be bored listening to "tutorial"
>type subjects either. Any "experienced" person will tell you, there's
>always something to learn.

I wouldn't mind seeing separate tutorial sessions, especially if you alternated with "mega-neophyte" on the first day, and "mega-techie" on the next. Basically, you could come up with a program that explained the basic principles of oscillators on newbie day, and the next day you could explain the workings of a DDS qrp rig for the tech-noids. The subject matter would be related or tied together, if you will, and everyone would learn something that they could take home with them. Other non-related or general-interest topics could be discussed in a "take a break from the mainstream for a hour or so" fashion. With proper planning, most QRP subjects could be tied together in a logical, ascending format that should please the majority.

>The problem is not the content as much as it is capturing the audiences

>attention! So if you really want to improve FDIM here's something to think
>about. At FDIM 1998 I was talking to Dick Pascoe G0BPS about how fun his
>presentation was as well as that of George Dobbs G3RJV. He told me that
>the English tend to make their presentations informative and entertaining,
>we Americans tend to teach. He was absolutely right and we Americans
>should pay close attention to this. After all, FDIM is still a part of a
>hobby and, hobbies are supposed to be FUN!

Too true, Claton! I work with a ton of Brits at an engineering firm in Houston (my other QTH), and for our weekly "whatcha' going to be doing this week" meetings, the Brits like to either go to a Pub, eat Scotch Eggs, slam back a few Guinness, and flirt with the ladies, or they like to have a BBQ at the office in a relaxed atmosphere. THIS is the way to have a meeting! :^)

Anywho, the Brits realize that there are times for kicking massive amounts of rump at work, and that there are times for joking around and having fun there, too. It's no wonder that their podium-standing speeches are better than ours. They know how to make the working environment a fun place and an environment that you hate being away from, and this is translated to their speeches as a whole. (This insight, if you want to call it that, comes from spending many years with them in the work environment and a lot of time with their families while doing contractual software engineering for British Petroleum.) BTW, I'm writing all this while wearing my English "Invasion of France" World Cup tee-shirt :^).

> The true test of a good
>presentation is how quiet the audience is. If the presentation doesn't
>bore the audience everyone enjoys it no matter what the content is.
>Another aspect of this, as I think back to FDIM 1998, is that I seem to
>remember the information contained in the more entertaining presentations
>than the more serious monotone lectures. Good I have the proceedings to
>refer to! ;-) And just to show what I've written about above is only a
>generality, the fun(niest) presentation was that of American presenter, Rex
>Harper W1REX "The Hunting of the Elusive QRP Tins". What a hoot!

Well, it's not all that far off the mark, IMHO, and it is nice to see a fellow American with the smarts to realize that, as a whole, and no matter where we are from, everyone loves to be entertained. Heck -- entertainment is one of the largest industries that any country has, after all.

72/73,

Randy Jouett, AB5NI

Date: Sat, 24 Jul 1999 12:51:51 -0500
From: Michael Melland <badger@vbe.com>
To: qrp-1@lehigh.edu
Subject: [45938] Leaqder Curve Tracer
Message-ID: <3799FD36.F28B118A@vbe.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Just for kicks I was checking e-Bay the other day (test equipment area - where fortunes can be made or lost <grin>) and saw an auction ending in an hour that caught my eye. It was for brand new Leader LTC-905 transistor curve tracers. The seller had 5 up for auction and I bid on one and got it. What a neat device ! It uses a o'scope for the display of the curves. It tests in/out circuit NPN. PNP, FET, MOSFET, and all types of diodes..... it displays much more information then my other transistor testers and is set up to compare two devices at one time for matching etc.... It comes with all transistor test leads, scope leads and manual..... I called Leader and they told me that the tracer was discontinued in about 1995 but that they still support them and will honor the warranty if I send it in. They said list price on them was \$400.....I did a search and found them still listed at several equipment dealers new for \$400 so sounds like a good deal.... I got one of the 5 for \$149. Since only one sold the guy with them has re-listed the other 4.

Not that these are for everyone.... but I love gadgets. See the last 4 listed at :

<http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=135796727>

I have no interest in the seller nor do I own stock in Leader or e-Bay <grin>..... just think it's a fair deal for an experimenter. Comments ?

73

--

Michael Melland, W9WIS
Winneconne, Wisconsin, USA
FISTS #4387, 10-10 #69281, QRP-L #1656,
QRP-ARCI #9875, AK/QRP #478, NorCal
CW, SSB, and Electronics
List Administrator: grundig@qth.net
<http://www.qsl.net/w9wis>

Date: Sat, 24 Jul 1999 15:08:48 -0400
From: hamjoel@juno.com
To: qrp-l@lehigh.edu
Subject: [45939] Re: millawatting
Message-ID: <19990724.150948.-229011.2.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

On Sat, 24 Jul 1999 07:57:28 -0400 mikemo@ibm.net writes:
>Rick Sealey wrote:
>I'm sure that a bunch of the DX I've worked would never have taken
>place
>if the guy on the far end had such a lousy antenna as me (40M dipole
>at
>5 meters). Wouldn't it be wonderful to have a full size 3 element 40
>meter monoband beam at 75'? I'll keep dreaming...

Hi mike

well if u have a forty meter dipole hanging in the trees u can get
three 14ft closet rods, some rope, a wire director element and bingo u
have a two element wire monoband beam for forty...up 5 meters... gonna
work bettern just the dipole.... the wooden closet rods are about 60
cents a foot...

for less than fifty bucks u can stop dreaming!!!
really , it's that easy...
joel kella
maine

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Sat, 24 Jul 1999 20:19:35 +0100
From: "Ted Williams" <tedw@btinternet.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [45940] Re: Q dope substitute
Message-ID: <00fe01bed609\$d7d71780\$18018cd4@btinternet>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Yes, I can confirm that polystyrene dissolves readily in chloroform, and I've used the expanded polystyrene that comes in packaging.....it's like melting snow.

Unfortunately, the chloroform evaporates all too quickly, so it is difficult to get an even coat on a coil, and impossible to store the solution for long.

Certainly polystyrene dope has been recommended for a few years for use on coils, so I suppose its characteristics are suitable.....but there must be a more suitable solvent.

Any chemists out there?

BTW, when trying to remove any coating given to coils, do bear in mind that the enamel insulation on the wire may be affected, and shorted turns will most certainly drop the Q ;-)

Ted, GOULL

Date: Sat, 24 Jul 1999 14:16:57 -0400
From: dfirlik@juno.com
To: qrp-l@Lehigh.EDU
Subject: [45941] Re: QRP-L
Message-ID: <19990724.154631.-237961.0.dfirlik@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

On Sat, 24 Jul 1999 11:13:59 EDT K2UD@aol.com writes:

>Paul,

>

>I have the same problem, also use AOL. Wonder how many other AOL'ers
>experience the same.

Me too. I have two ISP's and neither are AOL

I always assumed the postings referring to messages I had not received
were referring to private e-mail.

Don K8AQZ

Grand Rapids Michigan

Get the Internet just the way you want it.

Free software, free e-mail, and free Internet access for a month!

Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Sat, 24 Jul 1999 15:44:45 EDT

From: SMurph555@aol.com

To: qrp-l@lehigh.edu

Subject: [45942] Thanks K1MG, KC1DI & VE3STI !!

Message-ID: <7734579a.24cb71ad@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

De K4JSI,

Just wanted to say "thank you" to the three folks above for responding
to my inquiry on the K1BQT QRP Xcvrs. Wouldn't have used the list for this,
but e-mail address for one of the above didn't work.

Will respond separately to N0XFE, who expressed interest in what I
learned.

72/73 & SK

Date: Sat, 24 Jul 1999 15:26:25 +0000

From: "Steven Weber" <kd1jv@moose.ncia.net>

To: qrp-l@lehigh.edu

Subject: [45943] nice clock

Message-ID: <199907242009.QAA16226@moose.ncia.net>

MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Picked up a nice "travel" clock on sale at Radio Shack today.

Shows time (has 12 or 24 hr formate), big digits
Month and Date, day of week good to 2030 (reason I got it, I never
know what the heck day of the month it is!)
Built in Thermometer (F or C)
And of course alarm, something I refuse to use!
runs on AAA battery
#63-959 on sale now for \$12.99

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Sat, 24 Jul 1999 15:26:24 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [45944] Re: Q dope substitute
Message-ID: <199907242009.QAA16231@moose.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

I use soft wax.

I melt the stuff all over the parts in the VFO section,
making sure the coil gets well coated. Keeps the parts from moving
around and provides some thermal stability.

Easy to remove, just heat it up with a hot air gun and let it melt...

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Sat, 24 Jul 1999 15:12:10 -0500
From: "Charles Hamel" <cdhamel@pdq.net>
To: "QRP List" <qrp-l@Lehigh.EDU>
Subject: [45945] VE3DNL Marker Generator

Message-ID: <000101bed610\$d221bdc0\$cae590d1@cdhamel>
MIME-Version: 1.0
Content-Type: text/plain;
charset="windows-1250"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I just received my VE3DNL Marker Generator Kit today, and was wanting to hear from the people who have built one, diffrent ways they have modified it or built it and its uses!

Please respond privatelt to keep the bandwidth down!

Thanks

Charles
KC5DXQ - Norcal Zombie - HQRP- QRP-L #1919
<http://www.angelfire.com/de/kc5dxq/index.html>

Date: Sat, 24 Jul 1999 15:35:01 -0500
From: "Jerry Decker N5RV" <n5rv@hex.net>
To: "Low Power Amateur Radio" <qrp-l@Lehigh.EDU>
Subject: [45946] Sony ICF-SW100
Message-ID: <002301bed614\$028df3e0\$0201a8c0@n5rv>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

Still have the Sony ICF-SW100 for sale with accessories (no box).

I've lowered the price to \$225 shipped FEDEX CONUS COD or \$200 for local pickup in Dallas/Ft. Worth Texas area. Willing to discuss trades for QRP gear. Looking for 30 & 40 meter rigs or a QRP wattmeter.

73 de Jerry N5RV

..-.- --.- ..-.- ..-.- ..-.- ..-.- ..-.- ..-.- ..-.- ..-.- ..-.-
N5RV Jerry Decker - Red Hot NC20 - G-QRP #10353 - QRP-L # 1969
Irving, Texas - EM12MT - N32 48' 17'', W96 57' 31'' - 14.060MHz CW
ARRL Member

Date: Sat, 24 Jul 1999 16:40:20 -0400
From: "Hugo Catta" <h.catta@worldnet.att.net>
To: <applitech@mcg.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [45947] Re: W9GR DSP Help Needed and Some Building Details
Message-ID: <007f01bed614\$c04b4180\$7d0d4f0c@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: Claton Cadmus <applitech@mcg.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Saturday, July 24, 1999 11:45 AM
Subject: W9GR DSP Help Needed and Some Building Details

> A group of us are building W9GR DSP audio filters, the first version as
> written up in QST back in '92, to use as testbed/learning tool for DSP.
> First step is to get them built and working. I just finished and it works
> OK, except for couple bugs I need to correct. One of the LED segments
> isn't lighting up, shouldn't be hard to track that down. Second bug is a
> high frequency tone coming from the unit. Is this the "digital noise"
> problem described by Larry East W1HUE? It's not to terribly loud but it
is
> annoying. Anybody else ever have this problem? Solutions?
.....SNIP.....

Hi, Clayton

Try this page. <http://qrp.cc.nd.edu/qrp-l/hints/w1hue/DSPFIX.html>
I had the same problem with the first version, and most of the noise went
away. I also built a low pass- brute force- kind of filter in series with
the speaker leads. Just a PI built with a crossover coil and two caps.
Also the limiter shown works well .

GL es 72
Hugo
CX9AAK/W2

End of QRP-L Digest 1528
